

Cutting Machines

Clean cutting, safe handling.



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and Options



Cutting Machines



Universal

- For all types of hoses and fittings



Ecoline

- Value driven solution for less frequent use



Energy efficient

- Less energy consumption with the same performance



Special Brake Motor

- A safety feature meeting DIN CE standards requiring the cutting blade to stop turning in 10 seconds



Special Cutting Motor

- Higher forces are achieved using a bigger shaft



Test-proven Cutting Blades

- Cutting blades are made out of test-proven material



Environment friendly

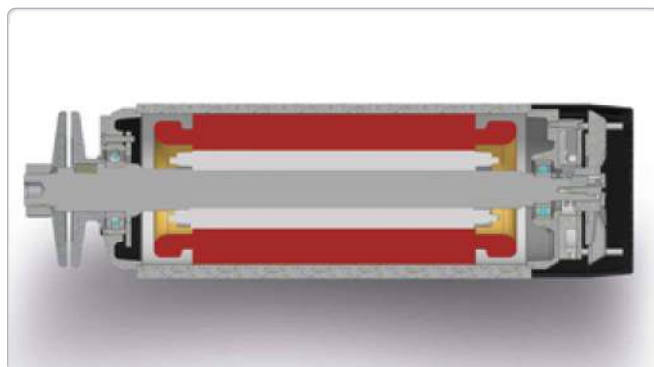
- Engineered to last

Special Features

Brake Motor



Massive Motor Design



**Cutting Blades
German Engineering**





UNIFLEX hose cutting machines have been a synonym for the highest precision and robustness for many decades. The solid and compact tools distinguish themselves by their safe and high-quality cutting function. A distinct property is the positioning of the extraordinarily sharp cutting blades close to the powerful motors. This significantly reduces vibration – which is one of the reasons for extreme durability and low maintenance costs.



EM 3



EM 3 Ecoline



HM 200 DC + EM 3 DC



EM 1

EM 1 S



EM 3

EM 3 Ecoline

EM 3 DC

Technical Data	EM 1	EM 1 SB	EM 1 S	EM 3	EM 3 Ecoline	EM 3 DC
Production SAE R 13 & SAE R 15	–	–	–	¾"	–	–
Workshop SAE R 13 & SAE R 15	–	1"	1"	1¼"	1"	1¼"
SAE R 12	⅝"	1¼"	1¼"	1¼"	1¼"	1¼"
Industrial	1¼"	1¼"	1¼"	2"	1¼"	2"
Max. outside	Ø 45 mm	Ø 52 mm	Ø 52 mm	Ø 80 mm	Ø 52 mm	Ø 60 mm
Noise level	90 dBA	90 dBA	80 dBA	95 dBA	95 dBA	93 dBA
Brake motor	–	–	–	✓	–	–
Suction connection	–	Ø 30 mm	–	Ø 80 mm	Ø 40 mm	Ø 40 mm
Drive	1.2 kW 1 VAC	Battery	1.2 kW 1 VAC	3 kW 3 VAC	1.8kW 1 VAC	12 V/24 V 2.0/3.2 kW
Cutting blade (mm)	TM 190x2.0x30 TM 190x2.0x15,875	TM C 160x2.5x20	TM C 160x2.5x20	TM 275x3x30	TM G 200x1.6x25.4	TM 250x2x40Z
L x W x H (mm)	300 x 340 x 310	400 x 300 x 415	300 x 340 x 310	540 x 440 x 300	400 x 510 x 540	550 x 365 x 410
Weight	8 kg	7,5 kg	8 kg	50 kg	20 kg	29 kg
Accessories						
TU Table	✓	✓	✓	✓	✓	✓
Suction device *	–	✓	–	✓	✓	✓
UVC 36 Adapter	–	777.150	–	777.056	777.153	777.153
UVC 50 Adapter	–	518.7010	–	518.7014	518.7010	518.7010
Hose measuring tool UMS 4	–	–	–	✓	✓	–
Foot for UMS 4 (840 mm height)	–	–	–	✓	✓	–
Hose guide 2,000 mm (UHG 14)	–	–	–	✓	✓	–

* Adapter needed.

Suction & filter device page 74 / Options and accessories page 76

Description



Tested high-quality cutting blade, secured with a metal sheet.



Guide pins ensure straight cuts.



Blades
TM = plain
TM G = slotted
TM C = coated



High-quality cutting blades:
TM C, TM G und TM.



TM C
Lasts 7 times longer, cuts twice as fast, generates less smoke, less debris in the hose and less heat.
Reduces the risk of separation of the rubber from the wire.

Cutting blades



UNIFLEX hose cutting machines have been a synonym for the highest precision and robustness for many decades. The solid and compact tools distinguish themselves by their safe and high-quality cutting function. A distinct property is the positioning of the extraordinarily sharp cutting blades close to the powerful motors. This significantly reduces vibration – which is one of the reasons for extreme durability and low maintenance costs.



EM 4



EM 4 DC



EM 4

EM 4 DC

Technical Data	EM 4	EM 4 DC
Production SAE R 13 & SAE R 15	1¼"	–
Workshop SAE R 13 & SAE R 15	1½"	1¼"
SAE R 12	2"	1½"
Industrial	2"	2"
Max. outside	Ø 80 mm	Ø 75 mm
Noise level	80 dBA	93 dBA
Brake motor	✓	–
Suction connection	Ø 80 mm	Ø 40 mm
Drive	3 kW 3 VAC	2.0 kW 12VDC
Cutting blade (mm)	TM C 275 x 3 x 30	TM C 250 x 2 x 40
L x W x H (mm)	700 x 510 x 700	740 x 365 x 610
Weight	60 kg	29 kg
Accessories		
Bench	✓	✓
Suction device	✓	✓
UVC 36 Adapter	777.056	777.153
UVC 50 Adapter	518.7014	518.7010
Hose measuring tool UMS 4	✓	✓
Foot for UMS 4 (840 mm height)	✓	–
Hose guide 2000 mm (UHG 14)	✓	–

Suction & filter device page 74 / Options and accessories page 76

Description



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Cutting blades



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EM 6 M



EM 8 M



EM 8 P



EM 6 DC

EM 6 M

EM 6 P

EM 6 Ecoline



EM 8 M

EM 8 P

Technical Data	EM 6 DC	EM 6 M	EM 6 P	EM 6 Ecoline	EM 8 M	EM 8 P
Production SAE R 13 & SAE R 15	–	1¼"	1¼"	–	1½"	1½"
Workshop SAE R 13 & SAE R 15	2"	2"	2"	2"	2"	2"
SAE R 12	2"	2"	2½"	2"	2½"	2½"
Industrial	2"	3"	3"	2"	4"	4"
Max. outside	Ø 75 mm	Ø 95 mm	Ø 95 mm	Ø 80 mm	Ø 120 mm	Ø 120 mm
Feed	manual	manual	pneumatic	manual	manual	pneumatic
Noise level	93 dBA	80 dBA	80 dBA	95 dBA	85 dBA	85 dBA
Brake motor	–	✓	✓	–	✓	✓
Suction connection	Ø 40 mm	Ø 60 mm	Ø 60 mm	Ø 80 mm	Ø 60 mm	Ø 60 mm
Drive	3.2 kW : 24 VDC	4.6 kW 3 VAC	4.6 kW 3 VAC	2.4 kW 1 VAC	4.6 kW 3 VAC	4.6 kW 3 VAC
Cutting blade (mm)	TM C 250 x 2 x 40	TM C 350 x 3 x 30	TM C 350 x 3 x 30	TM C 275 x 3 x 25,4	TM C 400 x 4 x 30	TM C 400 x 4 x 30
L x W x H (mm)	740 x 365 x 610	745 x 690 x 430	820 x 785 x 755	700 x 510 x 700	983 x 760 x 875	983 x 760 x 540
Weight	29 kg	75 kg	110 kg	45 kg	122 kg	140 kg
Accessories						
Bench	✓	✓	✓	✓	✓	✓
Suction device	✓	✓	✓	✓	✓	✓
UVC 36 Adapter	777.153	777.055	777.055	777.056	777.055	777.055
UVC 50 Adapter	518.7010	518.7012	518.7012	518.7014	518.7012	518.7012
Hose guide (UHG 14)	–	✓	✓	✓	✓	✓
Counter	–	329.1	Standard	–	323.1	323.1

Suction & filter device page 74 / Options and accessories page 76

Description



Guide pins ensure straight cuts.



Blades
TM = plain
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TM C = coated



329.1 (for EM 6 M)
323.1 (for EM 8)



High-quality cutting blades:
TM C, TM G und TM.



TM C
Lasts 7 times longer, cuts twice as fast, generates less smoke, less debris in the hose and less heat.
Reduces the risk of separation of the rubber from the wire.

Cutting blades



The EM 115 and EM 120 are highly productive cutting machines. These machines are best suited for high volume manufacturing of 2" hoses along with workshop capability for 3" high pressure hoses and 4" industrial hoses.

The new UNIFLEX EM 120 is a hose-cutting machine for hydraulic and industrial hoses with outside diameters up to 135 mm. The EM 120 is the first fully electric cutting machine. The hose is pre-bent and clamped while the blade is moving up through the hose. Via IPC for Industry 4.0 or IoT, the operator just needs to type in the diameter and the machine sets itself and adapts the speed via sensors. This results in an optimized straight cut without tearing marks. UNIFLEX recommends the use of the suction and filter device UVC 100 while using the EM 120.



EM 120



EM 115



EM 115



EM 120



Technical Data	EM 115	EM 120
Production SAE R 13 & SAE R 15	2"	3"
Workshop SAE R 13 & SAE R 15	3"	4"
SAE R 12	3"	4"
Industrial	3"	4"
Max. outside	Ø 125 mm	Ø 135 mm
Feed	pneumatic	electric
Noise level	80 dBA	80 dBA
Brake motor	✓	✓
Suction connection	Ø 100 mm	Ø 100 mm
Drive	7.5 kW 3 VAC	7.5 kW 3 VAC
Cutting blade (mm)	TM C 520x4x40	TM C 520 x 4 x 40
L x W x H (mm)	1,210 x 650 x 1,650	2,024 x 1,025 x 1,600
Weight	245 kg	350 kg
Options		
Suction device	UVC 50 / UVC 100	UVC 50 / UVC 100
Hose guide (UHG 14)	✓	✓
UVC 50 Adapter	518.7016	518.7016

Suction & filter device page 74 / Options and accessories page 76

Description

Cutting blades



Lateral guide rolls for guiding and positioning of the hose, for a better cutting quality (EM 115)



Various bending points selectable for straighter cuts and relief of pinch on the blade.



Exchangeable guide (two sizes) for optimum positioning of different hose sizes. (Only: EM 115)



Guide for perfectly centering hoses. (EM 115)



High-quality cutting blades: TM C, TM G und TM.



TM C

Lasts 7 times longer, cuts twice as fast, generates less smoke, less debris in the hose and less heat.

Reduces the risk of separation of the rubber from the wire.



The new EMI 150 and EMI 200 industrial hose cutting machines from UNIFLEX are available for cutting of up to 6" hoses (EMI 150) and up to 8" hoses (EMI 200). Their compact dimensions and robust design make these cutting machines well suited for small workshops as well as bigger production areas. The machines have wheels, so they can easily be moved to the hose instead of carrying heavy hoses around the workshop. Both devices are equipped with the specially coated TM C cutting blade, which substantially reduces the force required and the wear during cutting.

Each machine comes with a 2-year warranty for the best return on investment.



EMI 150 / EMI 200



EMI 150 / EMI 200



EMI 150

EMI 200

Technical Data	EMI 150	EMI 200
Production SAE R 13 & SAE R 15	3"	3"
Industrial	6" non spiral hoses (5" spiral or concrete hoses)	8" non spiral hoses (6" spiral or concrete hoses)
Max. outside	Ø 195 mm	Ø 250 mm
Feed	manual	manual
Noise level	90 dBA	90 dBA
Brake motor	✓	✓
Suction connection	✓ (Ø 102 mm)	✓ (Ø 102 mm)
Drive	7.5 kW 3 VAC	7.5 kW 3 VAC
Cutting blade (mm)	TMC 520 x 4 x 40	TMC 600 x 6 x 40
L x W x H (mm)	1,000 x 1,140 x 1,460	1,070 x 1,620 x 1,570
Weight	215 kg	240 kg
Options		
Suction device	✓	✓
UVC 50 Adapter	518.7016	518.7016

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Cutting blades



High-quality cutting blades:
TM C, TM G und TM.

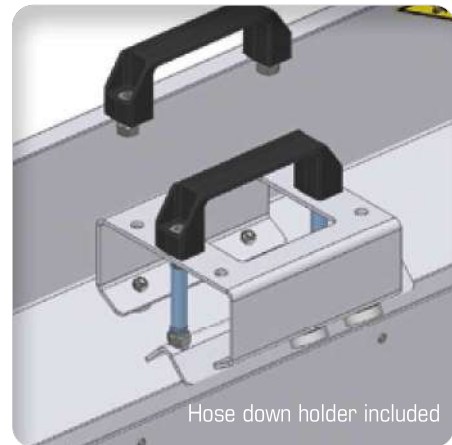
TM C

Lasts 7 times longer, cuts twice as fast, generates less smoke, less debris in the hose and less heat.

Reduces the risk of separation of the rubber from the wire.

UPG 10

Cutting thick industrial hoses like a hot knife through butter is not very easy, even if the hoses are not metal-reinforced. Therefore, UNIFLEX has developed a special cutting machine for extremely fast, simple and clean cuts of hoses up to a diameter of 2" with a pneumatically driven and razor-sharp guillotine. Safety and protection at the workplace and ergonomics are a matter of course for this UNIFLEX machine – as is the 2-year manufacturer's warranty.



UPG 10

Technical Data	UPG 10
Guillotine for industrial hoses without steel wire	up to 3" (max. OD: 90 mm/3.45")
L x W x H (mm)	1,810 x 325 x 800
Weight	56 kg
Noise level	70 dBA
Air pressure	7 bar
Minimum cut length	20 mm (0.78")
2 Guide Pins for smaller size	17.5 + 22.5 mm (0.698" + 0.88")

Description



334.001.3: V-shaped knife.
Standard blade for the UPG 10
Universal knife, usable for most thin-walled industrial hose assemblies with/without plastic spiral. Not suitable for hoses with steel reinforcement



334.033.4: A-shaped knife.
Accessories UPG 10.
For very soft hose assemblies with thicker wall thickness, e.g. rubber hose assemblies. Not suitable for hoses with steel reinforcement



334.034.4: V-shaped knife (sloping).
Accessory UPG 10.
For hose assemblies without spiral with thin to thick wall thickness. Prevents deformation of the hose line during cutting = very straight cut.



The USC 10, USC 20 and USC 30 from UNIFLEX are unique planetary cutting machines designed to cut corrugated metal and PTFE hoses. With the new accessory 325.7, the machines can now even cut hoses with a diameter as small as 6 mm without flaring! Without the accessory, the minimum cutting depth was 10 mm. The USC 10 thus guarantees perfect results along an extended size spectrum (up to 51 mm): virtually scrap-free cutting without reworking, highly efficient as the hoses are instantly ready for further machining such as crimping or welding.



USC 10 | USC 20 | USC 30

Technical Data	USC 10	USC 20	USC 30
Cutting blade (mm)	TM PC 200 x 2 x 25.4	TM PC 250 x 2 x 25.4	TM PC 350 x 3 x 32
Wire braid	0 - 2"	2" - 4"	4" - 6"
Hose diameter	Ø 3/8" - 2" (DN 10-51)	Ø 2" - 4" (DN 50-100)	Ø 4" - 6" (DN 100-150)
Max. rotation wire forming blade	7,200 rpm	7,200 rpm	4,100 rpm
Max. rotation trimming	60 rpm	60 rpm	30 rpm
Drive	4.6 kW 3 VAC	4.6 kW 3 VAC	5 kW 3 VAC
Air pressure	6 bar	6 bar	6 bar
Noise level	85 dBA	85 dBA	85 dBA
Working high (mm)	1,020	1,100	1,045
L x W x H (mm)	730 x 670 x 1,400	730 x 770 x 1,500	900 x 1,250 x 1,520
Weight	245 kg	340 kg	580 kg
Control Siemens S7	✓	✓	✓
Article memory	✓	✓	✓
Feed	pneumatic	pneumatic	pneumatic
Suction device	Standard	Standard	Standard
Options			
Hose guide (UHG 14)	✓	✓	✓

Description



Conventional machine

USC

Planetary cutting machine for corrugated metal hoses and PTFE hoses.

The unique procedure enables quick and neat cutting of corrugated metal and PTFE hoses without flaring the other stainless steel braid.

- Eliminates flaring
- No more trimming
- Easily slip the ferrule into position
- Reduces assembly injuries
- Improves production efficiency
- Touch panel with memory (optional 5.7" display)
- Quick and easy set up
- Allows broader application range to now include PFTE hose



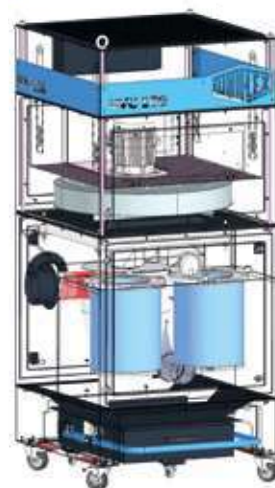
The UNIFLEX hose cutters make clean cuts – but the generation of dust, fumes and odors is inevitable. Therefore, UNIFLEX has developed the UVC 100 suction and filter device for up to three hose cutting machines simultaneously and the UVC 50 for service workshops. A balanced compromise between the volume flow and the negative pressure keeps the air clean during the cutting of hydraulic hose assemblies and protects the operators from fine particles. The multi-step exhaust air purification runs with a spark stop function, cyclone filter technology for the pre-separation of coarse particles, particle filter for dust, HEPA filter for fine particles and carbon filter for odor neutralization – and all that with a 2-year UNIFLEX manufacturer's warranty.



UVC 100 FSD



UVC 50 FSD



UVC 100 FSD



NEW



NEW



UVC 50 FSD



UVC 100 FSD

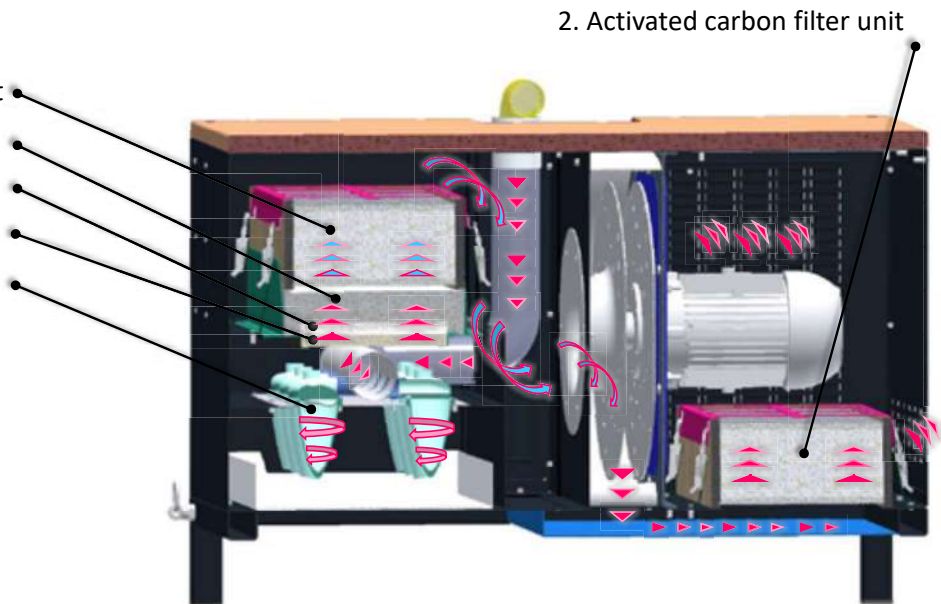
Technical Data	UVC 50 FSD	UVC 100 FSD
Max. volume flow	700 m³/h	1440 m³/h
Max. vacuum	3,250 Pa	4,600 Pa
Main-filter surface	5 m²	10 m²
Drive power	3.0 kW	3.0 kW
Intake voltage	400 Multivoltage	400 Multivoltage
Intake diameter	Ø80 mm*	Ø100 - Ø160 mm (Ø160 mm recommended)**
Dust collection container width	10 l	12 l
Noise level	69 dBA	69 dBA
L x W x H (mm)	1,180 x 730 x 820	950 x 950 x 2,060
Weight	215 kg	500 kg

* Delivered without adapter

** Delivered with 3 adapters 160 mm, 125 mm and 100 mm

Description UVC 50 FSD

- 1. Activated carbon filter unit
- Class H13 HEPA micro filter
- Filter fleece class M
- PPI- foam filter
- Cyclone filter-technology



2. Activated carbon filter unit



UWT 2 vs (optional UMS 4 + 514.1)

Electric driven hose coiling reel with foot pedal for easy winding and unwinding of hoses up to 1¼" optional with length measuring device incl. foot stand.

RPM per Pedal
0 to 61 RPM

mandrel adjustment minimum \varnothing 330
maximum \varnothing 730 mm

Maximum Load 80 kg
L x W x H 800 x 900 x 1 600 mm
Weight 70 kg



UMS 4 + 514.1 (floor stand)

Hose measuring tool up to 1¼", \varnothing 1 OD \varnothing 65 mm can be mounted in front of the cutter or on a hose coiler.

Measures up to 999,99 m
tolerant 2 - 7%
L x W x H 250 x 260 x 120 mm
Weight 5 kg
Metric unit only



UHG 14 + UHG 14 ext

UHG 14 Hose guide 2 000 mm and
UHG 14 ext. extension guide 1 000 mm
for all cutting machines



329.1 (for EM 6 M) | 323.1 (for EM 8)

Resettable cutting counter



UAT 4

Hose winder for storing hoses

Ø 1200 mm

L x W x H 820 mm x 900 mm x 1600 mm

Max. load 80 kg

Weight 70 kg

Center pin set up

Smallest Ø 277,5 mm

Biggest Ø 577,5 mm



513.1 (Accessories)

Plate for USH 4

USH 4-5

Hose winder for the easy storage of your hydraulic hoses, up to seven levels.

cage-Ø outside/inside 820/760 mm

external dimension 1000 mm

level high 310 mm

Cage ultimate load 80 kg

513.1:

Plate with fixing bolts

USH 4-5 Height 1 650 mm



URU 2

URU 2 with accessories roller kit 408.2

max. width: 500 mm, max. Ø: 85-1000 mm



778.2

Wheel option for TU

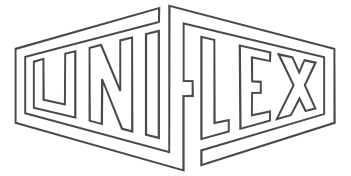
TU

Workbench for miscellaneous machines

(84 x 71 x 75 cm)

Max. load: 800 kg





Marking-, Bending Machines,
Nipple Inserter, Pin Prick,
Skiving Machines



Content



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USM 150



Marking-, Bending Machines, Nipple Inserter, Pin Prick, and Skiving Machines



Universal

- For all types of hoses and fittings



Ecoline

- Value driven solution for less frequent use



Simultaneous Internal & External Skiving

- Simultaneous internal and external skiving in one operation

The UNE 10 and UNE 115 are high-performance tools for production and the workshop. These machines now permit fittings up to 3" to be inserted or extracted. Due to its innovative rapid tool sled, the insertion of 90 degree, 45 degree or straight fittings without changing tools is now simple and quick with the UNE 115.



UNE 10



UNE 115

Technical Data	UNE 10	Technical Data	UNE 115
Max. nipple insertion (OD fitting, straight or elbow)	< 2*	Working range	< 3*
Force	5.1 kN (6 bar)	Pistonsub	200 mm
Piston stroke	100 mm	Hose max. outside	Ø 120 mm
L x W x H (mm)	600 x 810 x 310	Compressed air connection	8 bar
Weight	35 kg	Insertion force	8 kN (8 bar)
Pneumatic air supply	7 bar/100 psi	Clamping force	8 kN (8 bar)
		Control	Foot pedal and two-hand release
		L x W x H (mm)	625 x 1,185 x 320
		Weight	100 kg
		Pneumatic air supply	7 bar/100 psi

* According to the manufacturer.

Description



Preloading Safety control coupled to foot pedal.



Secure clamping unit.



Axially adjustable clamping unit - prevents bending of small hose dimensions.



Use of marked hoses improves safety. The UIM 10 is a low-cost insert marking tool for up to 2" hoses. The marking can be repeated exactly. In order to assure skiving of the proper length or that the fitting is inserted properly. You can mark up to 700 hoses in an hour. This means you can manually mark hoses three times faster with a lot more precision.



UIM 10

Technical Data	UIM 10
Working range	2" (up to DN50)
Marking depth	10 - 150 mm
Production time max.	700/h
Air pressure	5 bar (72.5 PSI)
L x W x H	330 x 190 x 313 mm
Weight	4.5 kg



Stamp Pad:	Cartridges:	Solvent:
515.027.4	515.1 White 515.1 Black 515.1 Red 515.1 Yellow 515.1 Blue	515.1 Solvent

Description



Mark hoses precisely and quickly with the UIM 10.



UNIFLEX insert – marking tool (ferrule position marking increases productivity and improves safety in hose sizes up to 2").

The UBM 6-20 M is a universal bending device for steel pipes up to 20 mm OD. It comes with a set of 9 bending rolls for common applications.

An integrated scale for angle detection helps you to reach the required pipe dimension in only one work step. The telescopic lever keeps the operator's forces low when bending rigid pipes.

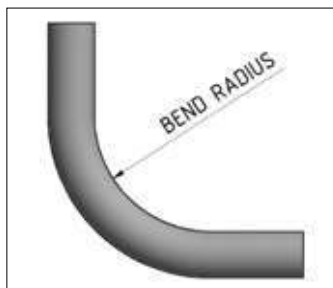


UBM 6-20 M

Technical Data	UBM 6-20 M
Working range	OD Ø 6-20 mm
Bending radius	19-40 mm
Tube wall thickness	2.5 mm (EN 10305)
Drive	manual
L x W x H	870 x 170 x 130 mm
Weight	15 kg

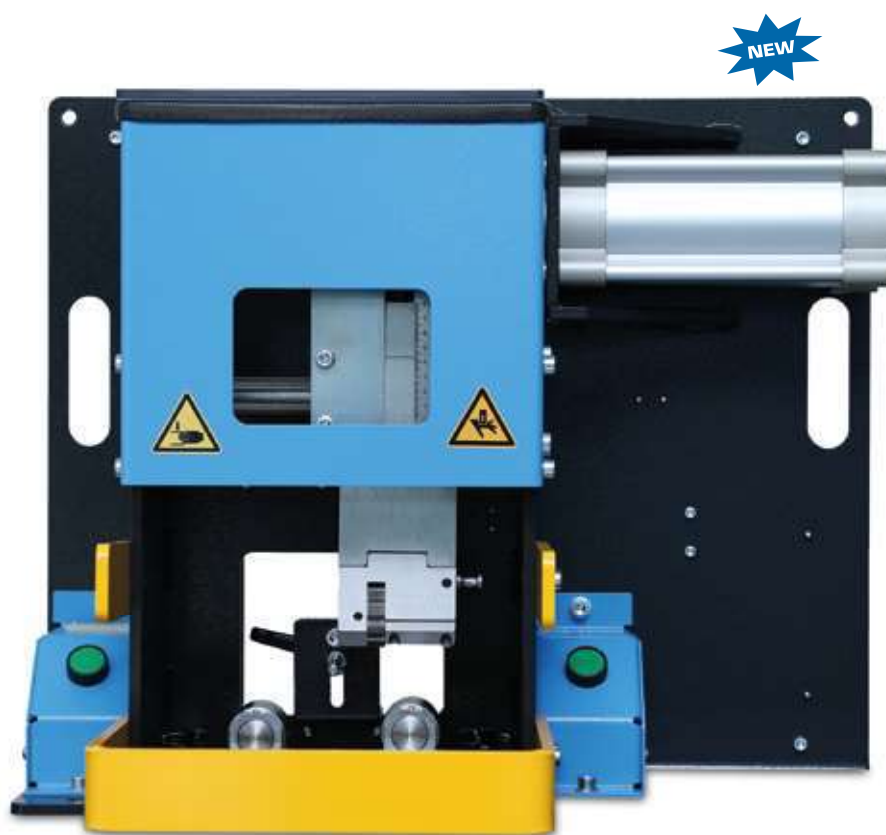
Bendings rolls included	Tube Ø outside (mm)	Bending radius (mm)
121.010.3	6	R19
024.3	8	R19
011.3	10	R21
025.3	12	R21
012.3	14	R22
013.3	15	R28
014.3	16	R30
015.3	18	R35
016.3	20	R40

Description





The UNIFLEX marking tool UP 10 Ecoline/UP 15 has a compact table construction. The European safety regulations DIN20066-2012-10, EN853, 854, 856, 857 stipulate that hose lines have to be marked indelibly with the manufacturer code, the assembling date and the max. pressure, e.g., XX_YY/MM_330 bar. This embossing will also allow you to indicate who produced the hose line and when. This is helpful information in the case of warranty claim. The new and compact UNIFLEX marking tool UP 10 Ecoline is a precise and easy-to-handle tool. The robust technology and low maintenance make it a perfect machine for mobile operations or workshops.



UP 15 P



UP 10 Ecoline



UP 15



UP 10 Ecoline



UP 15 / UP 15 Ecoline



UP 15 P

Technical Data	UP 10 Ecoline	UP 15 / UP 15 Ecoline	UP 15 P NEW
Marking area	Ø 12 - 80 mm	Ø 11.5 - 90 mm	Ø 11.5 - 90 mm
Marking depth	~ 0.5 mm	~ 0.5 mm	~ 0.5 mm
Insertable steel type	25 pieces	26 pieces*	26 pieces*
Drive	Manual	Manual	Pneumatic 7 Bar (100 psi)
L x W x H	285 x 265 x 410 mm	272 x 200 x 750 mm	600 x 454 x 500 mm
Weight	10 kg	28 kg	80 kg

Marking depth depends on the adjustment of the marking roll.

* Depending on the type holder.

** Not for 1 piece fitting.

UP 10 Package:
UP 10 Ecoline + UPTS 10

UP 15 Package:
UP15 mit 508.1003.3
UPTS 100

UP 15 Ecoline Package:
UP15 mit 508.1002.3
UPTS 100

UP 15 PBHC Package:
UP 15 + UPTS 100
506.050.3
506.080

UP 10 Ecoline Package:

UPTS 10

Marking Type Set

Letters: 1 x A, B, I, N, R, S, /, 2 x P, 10 x space,
4 x letter of own choice
4 mm high/2.5 mm width

Numbers: 6 x 1; 5 x 2,3,4,5; 4 x 6; 3 x 7,8,9; 4 x 0
wild character 1 x 504.033.4 (5-fold) +
504.034.4 (10-fold)

Neutral: Brush, Tweezers, Mirror

UP 15 Package:

UPTS 100

Marking Type Set

Letters: 1x A, B, I, N, R, S, /, 2x P, 10x space,
4x letter of own choice
3 mm high/2 mm width

Numbers: 6 x 1; 5 x 2,3,4,5; 4 x 6; 3 x 7,8,9; 4 x 0

Neutral: Brush, Tweezers, Mirror

Description



504.003
Additional type holder for UP 10 Ecoline. Simple change between different markings. 25 types.



508.1003.3 (10 types in one row)
508.1001.3 (17 types distributed on 2 rows)



508.7001
Counter for UP 15



508.1002.3 (26 types, 13 each row)

POP-LOCK Workshop (Hose retention system)



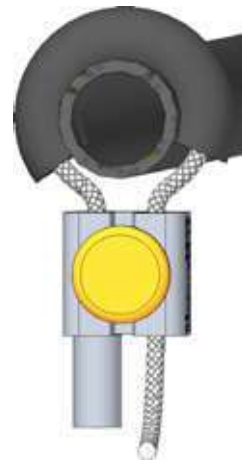
POP-LOCK Workshop „hose retention system“ and Pop-Lock Kit for mobile application.

Hose assemblies must be designed in such a way that in case of failure, hazards caused by whipping of the hose assembly can be avoided with suitable protective measures.

UNIFLEX offers with the POP-LOCK Workshop „hose retention system“ a solution that meets the requirements of various standards and regulations. The system is designed so that it can be used in three sizes for all common nominal diameters and different lengths. The Pop-Lock system offers special advantages for mobile use, it is easy to install, easily recognizable by the color differences. Can be installed even without disassembling the already installed hose assembly and easy assembled with standard tools.



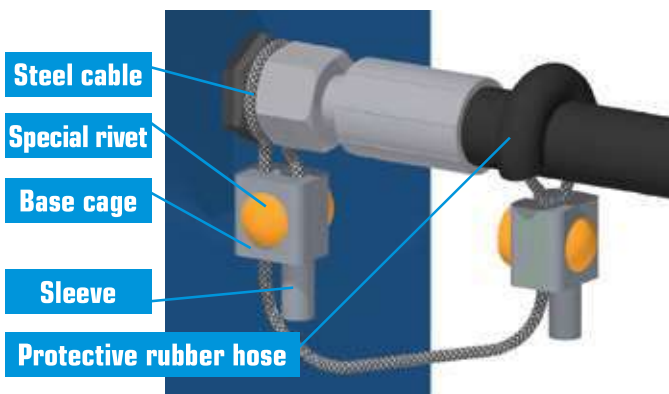
- Steel cable coil
50 meters
1500.082 Ø3
1500.083 Ø4
1500.084 Ø5
- Base cage
100 pieces
1500.100 Ø3
1500.101 Ø4
1500.102 Ø5
- Sleeve
100 pieces
1500.103 Ø3
1500.104 Ø4
1500.105 Ø5
- Special rivet
100 pieces
1500.106
- Protective rubber
hose
100 pieces
1500.107



POP-Lock Refill-Kit

- 1500.1019 for POP-LOCK DN5-16 (50 sets)
- 1500.1020 for POP-LOCK DN20-32 (50 sets)
- 1500.1021 for POP-LOCK DN40-50 (50 sets)

Component assembling overview



Other advantages:

- Stainless steel
- UV resistant, as completely metallic
- Oil and dirt resistant
- Secured against slipping by a blind rivet

Ready-to-Go KIT

- POP-LOCK KIT Ø3-500
- POP-LOCK KIT Ø4-750
- POP-LOCK KIT Ø5-1000

Include: Steel cable crimped on both sides with sleeves, 2x Protective rubber hose, 2x base cage and 2x rivet



Tools

- POP-LOCK Tool-Kit 1500.1022
- 777.917 Rivet gun (1 piece)
- 777.918 Wire rope cutter (1 piece)
- 777.902 Single hook (1 piece)
- 777.903 Double hook (2 pieces)
- 778.007 Cut protection gloves





The use of gas hoses (e.g., compressed air, nitrate, etc.) requires perforating the outer layer. With low effort, the PR 10, PR 12, and PR 14 make perforating the outer layer of hoses easy. The established UNIFLEX quality gives you a precision tool to work with hoses up to an outer diameter of 100 mm.



PR 10



PR 12



PR 14

Technical Data	PR 10	PR 12	PR 14
Working range	Ø 8 - 45 mm	Ø 8 - 55 mm	Ø 30 - 100 mm
Pin-Prick Wheels	4	3	6
L x W x H (mm)	290 x 150 x 330	270 x 200 x 400	400 x 265 x 565
Weight	~ 8 kg	~ 22 kg	~ 58 kg

Pin Prick Dies:

Use your crimper to perforate hose lines.



Machine	PR PB	Hose Ø (0 - max. OD)	PR PB Intermediate die set
SC 6	PR PB 266 P	0 - 43 mm	./.
SC 6 ECOLINE	PR PB 266 P	0 - 45 mm	./.
HM290	PR PB 232 F	0 - 68 mm	./.
HM502	PR PB 232 F	0 - 70 mm	554.232 L
S8/S10	PR PB 237 G	0 - 45 mm	./.
S8 XL / S10 XL	PR PB 237 G	0 - 61 mm	./.
HM 325	PR PB 237 G	0 - 70 mm	./.
HM 375	PR PB 237 G	0 - 70 mm	./.
HM 380	PR PB 237 G	0 - 70 mm	./.
HM 400	PR PB 554 H	0 - 130 mm	./.
HM 420	PR PB 237 G	0 - 50 mm	245.237L
HM 480	PR PB 237 G	0 - 150 mm	245.237 L
HM 485	PR PB 237 G	0 - 130 mm	245.237 L
HM 660	PR PB 237 G	0 - 120 mm	246.237 L
HM 1200	PR PB 237 G	0 - 120 mm	246.237 L
HM 665	PR PB 237 G	0 - 120 mm	298.237 L

Description



Constant prick depth



Side view



Prick Wheels

Double Prick Wheels

- Straight perforation
- No twisting of hoses

Adjustments

- Perfect hose guidance and centration
- Optimal adjustment of hose dimensions

Compact construction

- With minimum space requirements
- Mobile usage possible



With the USM 2 and USM 10, you make the optimal hose preparation for the fitting assembly. The machines are characterized by user-friendly operation, and the convenient foot switch for USM 10 control during the skiving process. The USM 2 and USM 10 skive internally from 5/8" to 2" and externally from 3/16" to 2".

The USM 10 S skiving machine has the fastest change-over time due to preset tools and simple locking pins. The USM 10 S skives internally from 5/8" up to 2" and externally from 3/16" to 2" dies, making the system the perfect solution.



USM 10 S
With TU Table and tooling storage (USM 10 S TU package).



USM 2



USM 10



USM 2



USM 10 Ecoline

USM 10

USM 10 S

Technical Data	USM 2	USM 10 Ecoline	USM 10	USM 10 S
Internal skiving	5/8" – 2"	5/8" – 2"	5/8" – 2"	5/8" – 2"
External skiving	3/16" – 2"	3/16" – 2"	3/16" – 2"	3/16" – 2"
Drive	Manual	0.37 kW (1~)	0.37 kW (3~)	0.37 kW (3~)
Type of application	Mobil	Workshop	Workshop	Workshop
Noise level	-	60 dBA	60 dBA	60 dBA
L x W x H (mm)	338 x 465 x 445	440 x 440 x 545	440 x 440 x 545	440 x 440 x 545
Weight	28 kg	50 kg	50 kg	51.5 kg
Tool revolution	-	110 rpm	110 rpm	110 rpm
Options				
Bench	✓	✓	✓	✓
SSG	✓	✓	✓	✓

Packages

USM 2	+ External skiving mandrel (PJ_EXB 250- DN 05, 06, 08, 10, 12, 16, 19, 25, 31,38, 51) + Internal skiving tool (UIS.2 DN 16, 19, 25, 31, 38, 51)
USM 10 ecoline/USM 10	+ External skiving mandrel (PJ_EXB 250- 05, 06, 08, 10, 12, 16, 19, 25, 31,38, 51) + Internal skiving tool (UIS.2 DN 16, 19, 25, 31, 38, 51)
USM 10 S	with preset tools for fast and easy tool change with 11 external skiving tools (UES.3 - 05, 06, 08, 10, 12, 16, 19, 25, 31, 38, 51) + 313.1 (Set mit 6 Dornen - UIS.3- 16, 19, 25, 31, 38, 51) + tool rack (PJ_RKSTLS)
USM 10 S TU	+ TU same as USM 10 S package, additional: Machine and tool rack mounted on the UNIFLEX table TU

Description



Easy exchange of skiving tool using a locking pin on USM 10 S.



Skiving mandrels are manually adjustable.



Safety switch for riskless operation.



Easy adjustment of the skiving tool.



Blade adjustments for skiving depth need only to be made once for each hose dimension on the USM 10 S.



1 tool on the USM 10 Ecoline for all dimensions.



Internal and external skiving - efficient and clean!

The USM 100, USM 125 and USM 150 are machines that prepare hoses for assembly, and skiving can be done both internally and externally simultaneously. The USM 125 and USM 150 are stable machines for skiving up to 4" and 5" hydraulic and industrial hoses.



USM 150



USM 125



USM 100



USM 100



USM 125



USM 150

Technical Data	USM 100	USM 125	USM 150
Internal skiving	3/4" – 2 1/2"	5/8" – 4"	2" – 5"
External skiving	1/4" – 2"	5/8" – 4"	2" – 5"
Drive	1.2/1.8 kW (3~VAC)	3.3 kW (3~VAC), 7 Bar (100 psi)	4.4 kW (3~VAC), 7 bar (100 psi)
Type of application	Production	Production	Production
Noise level	60 dBA	< 70 dBA	60 dBA
L x W x H (mm)	780 x 620 x 550	1,600 x 570 x 1,600	2,545 x 810 x 1,500
Weight	70 kg	450 kg	700 kg
Tool revolution	392 rpm/592 rpm	94 rpm	94 rpm
Accessories			
SSG	Standard	✓	✓
TU Table	✓	-	-

USM 100	
Internal Skiving	UIT 20, UIT 25, UIT 32, UIT 40, UIT 50, UIT 12, UIT 60
External Skiving	UOP 06, UOP 08, UOP 10, UOP 12, UOP 16, UOP 20, UOP 25, UOP 32, UOP 40, UOP 50
External skiving tools	UOT 06 – 50, UOT 60

USM 125	
Internal Skiving	UIS 125.2 – DN 16, DN 19, DN 25, DN 31, DN 38, DN 51, DN 63, DN 76, DN 89, DN 100
External Skiving	UES 125.2 – DN 16, DN 19, DN 25, DN 31, DN 38, DN 51, DN 63, DN 76, DN 89, DN 100

USM 150	
Internal Skiving	UIS 150 – DN 31, DN 38, DN 51, DN 63, DN 76, DN 89, DN 100, DN 125
External Skiving	UES 150 – DN 31, DN 38, DN 51, DN 63, DN 76, DN 89, DN 100, DN 125

Description



The SSG slitting tool shortens skiving chips up to 2".



Double skiving tool with hose.



Clamping and guiding unit with wheels for up to 5"-hoses.

Besides the innovative products, the consultations, solutions and service are convincing.

Our consistently high expectations require a high level of reliability and quality. Based on our certification according to DIN ISO 9001 in June 2008, we are committed to not only take all measures required to maintain the high standard of UNIFLEX, but also to continue to improve them.



Key aspects of UNIFLEX's high standards:

Variability

The UNIFLEX hose crimpers are based on a modular design. As a result, the most diverse variants can be produced for nearly all requirements and desired applications. Market observations and customer demand analyses determine the development of new modules and models.

Reliability

UNIFLEX hose crimpers are designed for years and years of functionality. Precision and quality of all products are setting the standards – on an international basis. Documented feedback from customers makes it possible to design and implement optimizations for operations and availability.

Innovation

Based on dialogue with customers, UNIFLEX is consistently improving existing products – from practice for practice. The needs of the market, innovative technical possibilities and extensive basic in-house research are continuously incorporated into new, pioneering developments in the field of hose processing.

Service

At UNIFLEX, 50 years of knowledge and experience are forever being refined and passed on to customers. The UNIFLEX team excels in personal product guidance and customer service and provides qualified services, including training measures, logistics, test presentations and demonstrations. This enables users of UNIFLEX hydraulic crimpers to concentrate on their key business – the production of hose assemblies with the best machines available on the market.

User Orientation

Constant interactions with customers offer the possibility of using practical experience as to handling and operation, safety and ergonomics in the development of series.

